

FIG. 2A

202

## Directory Class

202a

### ATTRIBUTES:

Type  
Actions Enabled  
Permissions  
Owner  
Group ID  
Local ID  
Local Parent ID  
MAESI Bit  
Mirror Bit  
Mirror Target ID  
Multicast IPV6 Address  
Multicast mirror group  
Frequency of Mirror  
Time StampS  
Etc.

202b

### OPERATIONS:

Create ( );  
Delete ( );  
Move ( );  
Change owner ( );  
Change group ( );  
Link ( );  
Unlink ( );  
Change permissions ( );

FIG. 2B

5204

## File Class

204a

### ATTRIBUTES:

Type  
Actions Enabled  
Permissions  
Owner  
Group ID  
Local ID  
Local Parent ID  
MAESI Bit  
Mirror Bit  
Mirror Target ID  
Multicast IPV6 Address  
Multicast Mirror Group  
Frequency of Mirror  
Time Stamps  
Etc.

204b

### OPERATIONS:

Open ( );  
Edit ( );  
Append ( );  
Read ( );  
Write ( );  
Link ( );  
Concatenate ( ) or Open, Read, redirect, close ( );  
Create ( );  
Delete ( );  
Move ( );  
Change owner ( );  
Change group ( );  
Link ( );  
Unlink ( );  
Change permissions ( );

FIG. 2C

FIG. 3A is a schematic diagram of a data structure 300. The data structure 300 is a table with 12 columns and 2 rows. The columns are labeled as follows: DIR.A, f<sub>A1</sub>, f<sub>A2</sub>, f<sub>A3</sub>, DIR.B, f<sub>B1</sub>, f<sub>B2</sub>, DIR.C, f<sub>C1</sub>, f<sub>C2</sub>, f<sub>C3</sub>, f<sub>C4</sub>, DIR.D, f<sub>D1</sub>, f<sub>D2</sub>. The rows are labeled as follows: Row 1, Row 2.

300

DIR.A	f <sub>A1</sub>	f <sub>A2</sub>	f <sub>A3</sub>	DIR.B	f <sub>B1</sub>	f <sub>B2</sub>	DIR.C	f <sub>C1</sub>	f <sub>C2</sub>	f <sub>C3</sub>	f <sub>C4</sub>	DIR.D	f <sub>D1</sub>	f <sub>D2</sub>

FIG. 3A

FIG. 3B is a schematic diagram of a system 300 for processing data. The system 300 includes a processor 302, a memory 304, and a network interface 306. The processor 302 is configured to execute instructions stored in the memory 304 to perform various operations. The network interface 306 is configured to communicate with a network 308. The system 300 is designed to handle data from multiple sources and perform complex processing tasks.

350

300

DIR A	$f_{A1}$	$f_{A2}$	$f_{A3}$	DIR B	$f_{B1}$	$f_{B2}$	DIR C	$f_{C1}$	$f_{C2}$	$f_{C3}$	$f_{C4}$	DIR D	$f_{D1}$	$f_{D2}$
Vol. Z	DIR A		DIR A		DIR B		DIR A	DIR C				DIR C	DIR D	
Pointer A	N/A		Pointer B		N/A		Pointer C	N/A				Pointer D	N/A	

(IPID) 300A

(CI) 300B

FIG. 3B

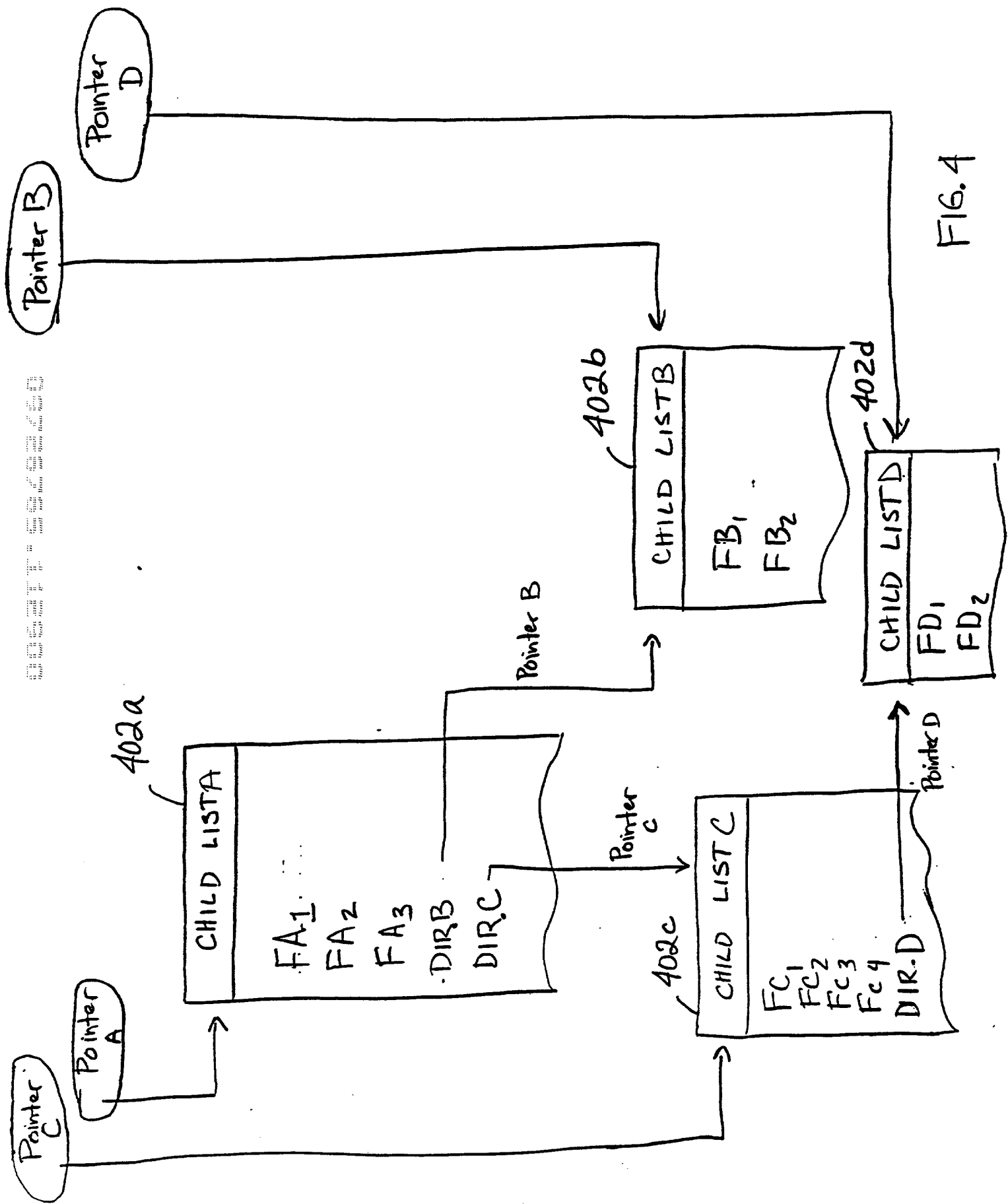


FIG. 4

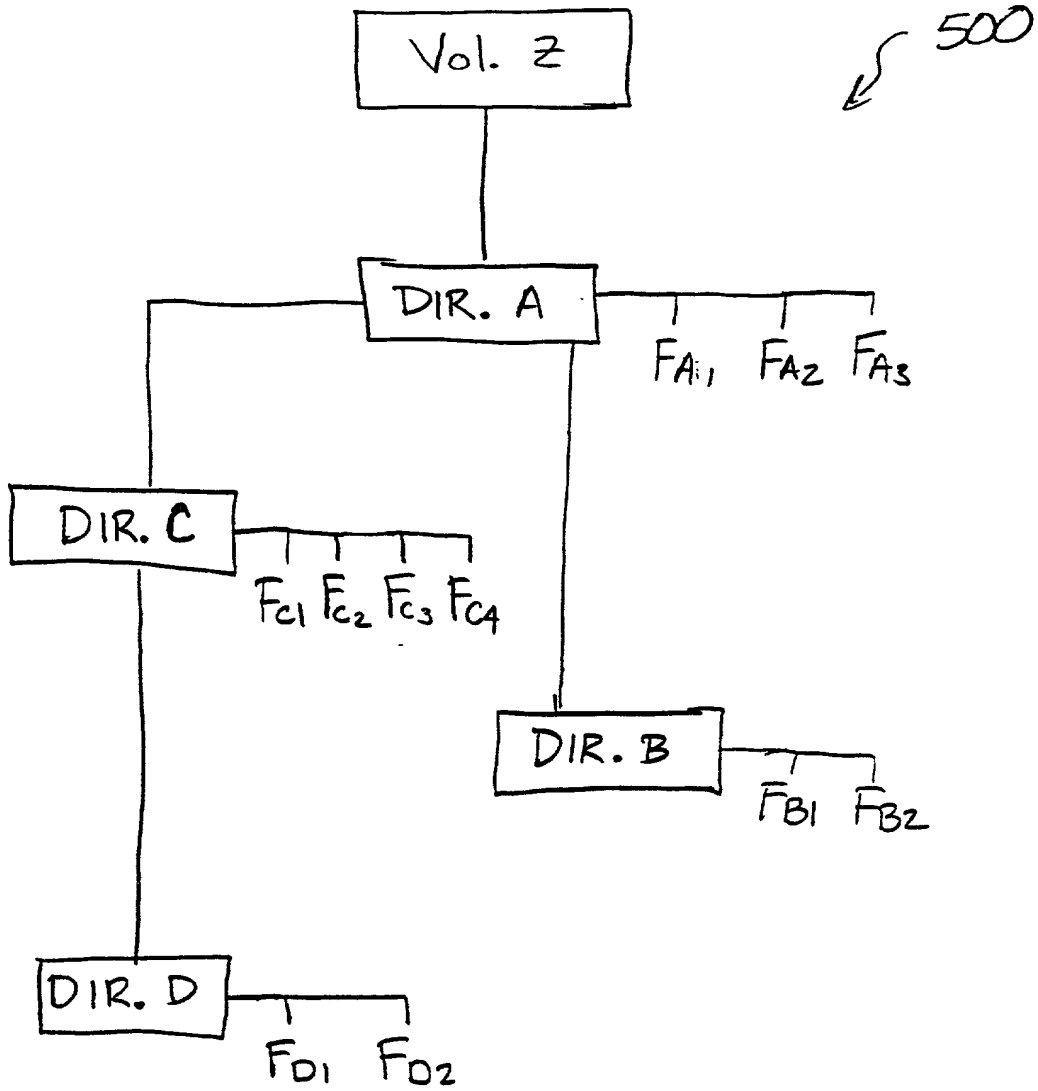


FIG. 5

FIG. 6 is a block diagram of a system architecture for a dynamic flat file system. The system includes a Consumer File System (602) with an ISD (604) component. The ISD (604) is connected to a Transport (606) component. The Transport (606) is connected to a Message Handler (609) component. The Message Handler (609) is connected to a Translator Layer (608) component. The Translator Layer (608) is connected to a Dynamic Flat File System (610) component. The Dynamic Flat File System (610) is connected to a Rotating Media (612) component. The Message Handler (609) and Translator Layer (608) are part of a larger system (607).

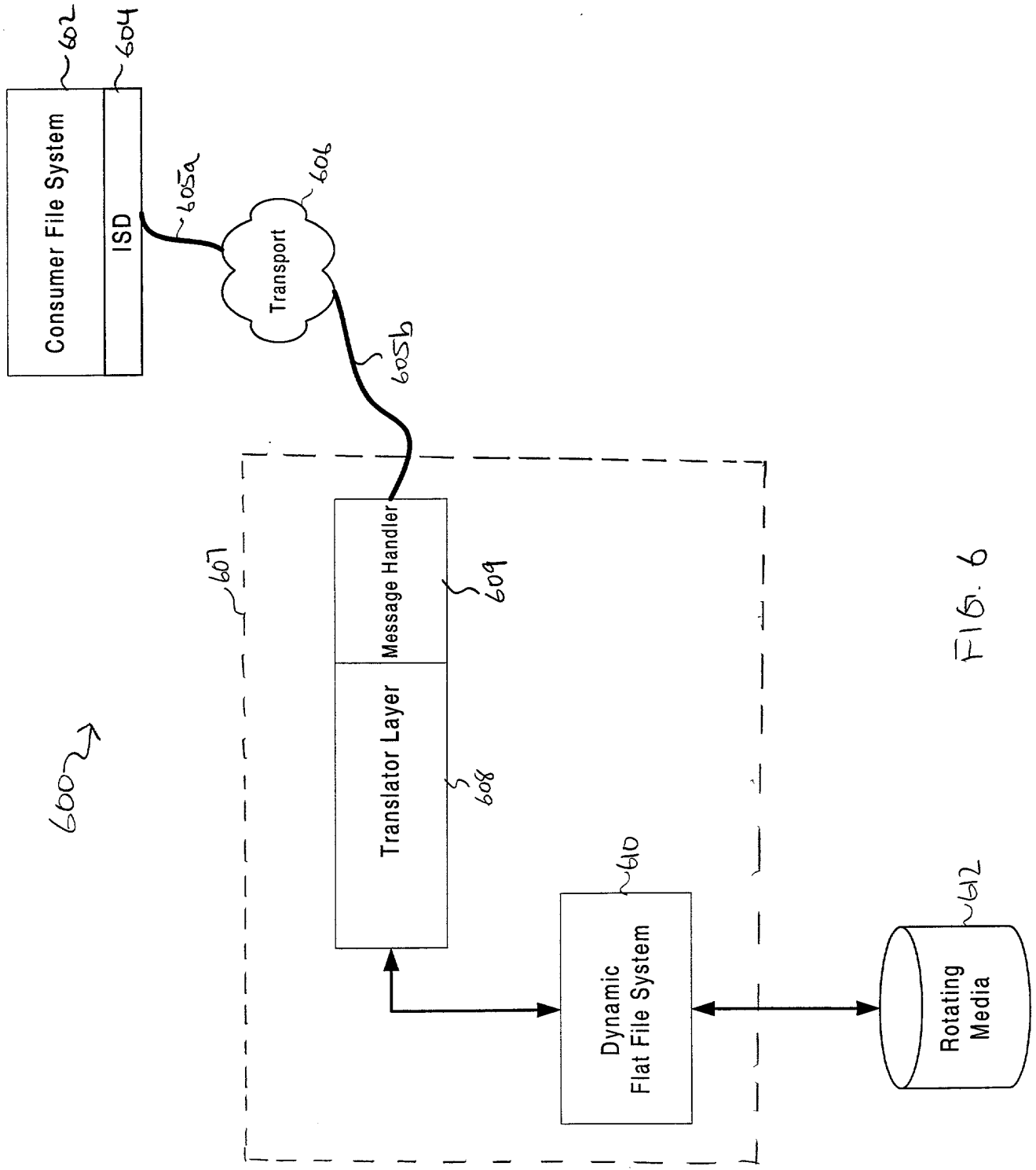


FIG. 6



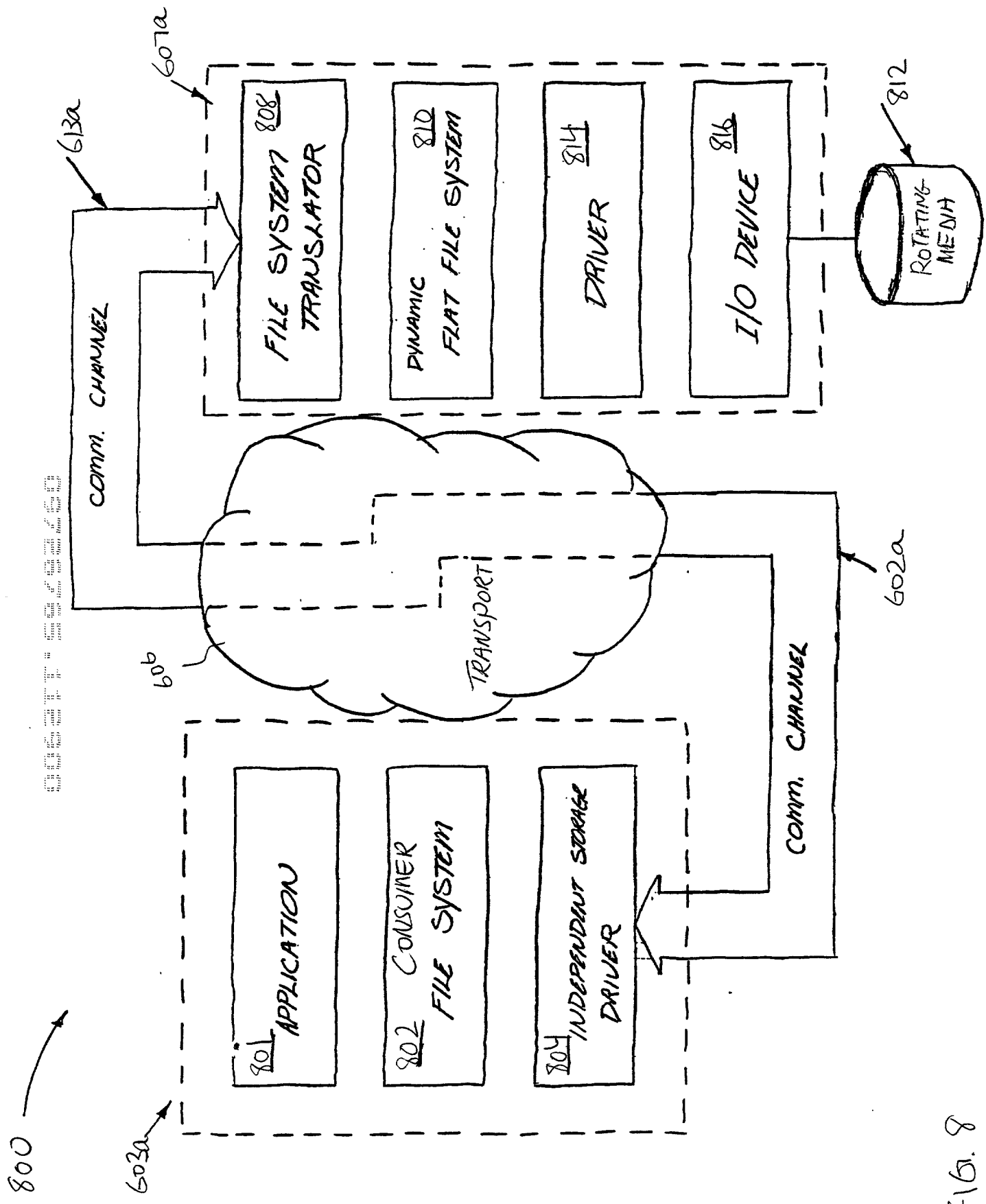


FIG. 8

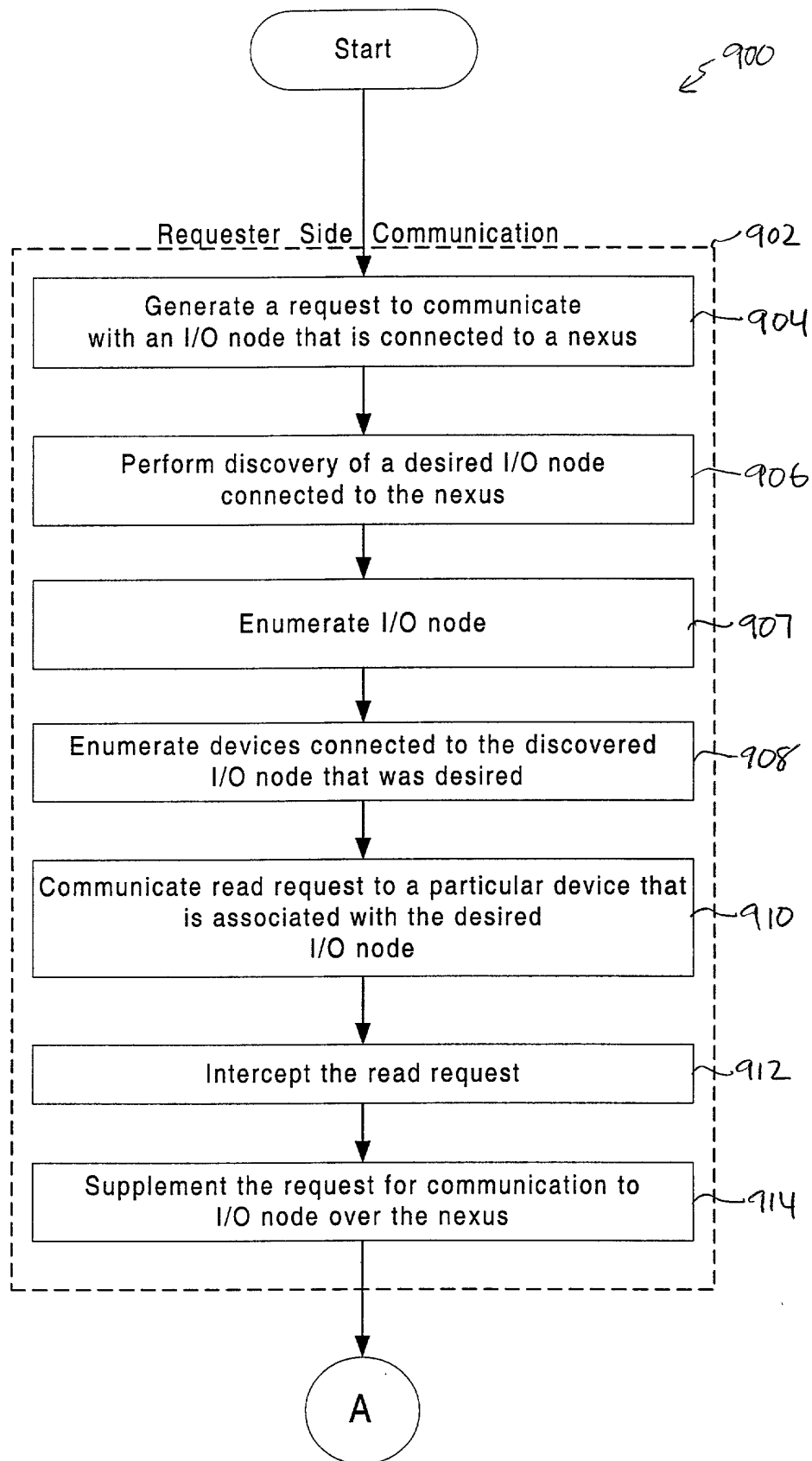


FIG. 9A

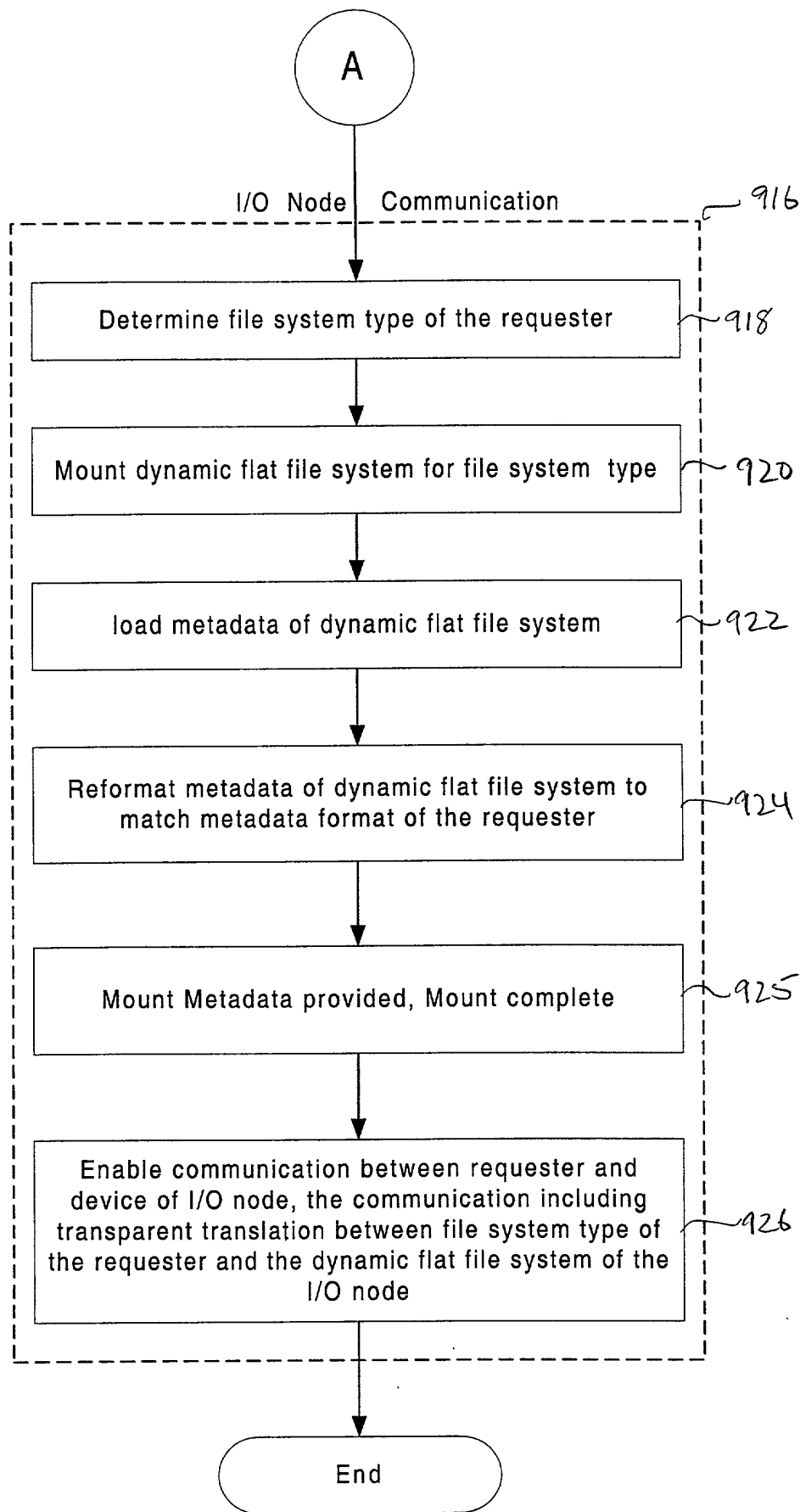


FIG. 913